

(19) World Intellectual Property  
Organization  
International Bureau



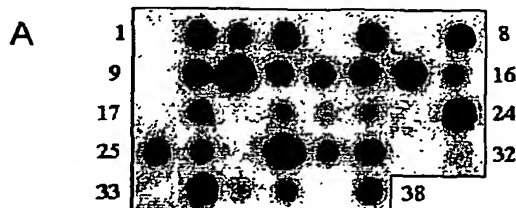
(43) International Publication Date  
11 March 2004 (11.03.2004)

PCT

(10) International Publication Number  
WO 2004/020466 A1

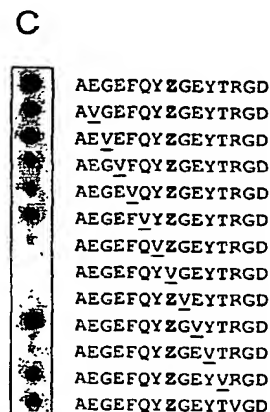
- (51) International Patent Classification<sup>7</sup>: C07K 14/47 (74) Agent: SERONO INTERNATIONAL S.A. INTELLECTUAL PROPERTY; 12, Chemin des Aulx, CH-1228 Plan-les-Ouates (CH).
- (21) International Application Number: PCT/EP2003/050385 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 20 August 2003 (20.08.2003) (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 02019357.9 29 August 2002 (29.08.2002) EP
- (71) Applicant (*for all designated States except US*): APPLIED RESEARCH SYSTEMS ARS HOLDING N.V. [NL/NL]; Pietermaai 15, NL-Curaçao (AN).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): HOOFT VAN HUIJSDIJNEN, Rob [CH/CH]; Chemin de la Lechaire 27, CH-1233 Bernex (CH). WALCHLI, Sebastien [CH/NO]; Stensgata 36A, N-0358 Oslo (NO). ARIGONI, Fabrizio [CH/CH]; 2, rue Maurice, CH-1204 Geneva (CH).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PROTEIN TYROSINE PHOSPHATASE INHIBITORS



B

1b-1	1	AEGEFYATYGSAAATD	19	AEGRFEDIYNAYQVD
	2	AEGEFZATYGSAAATD	20	AEGEFEDIYNAYQVD
	3	AEGEFYTAZGSAAATD	21	AEGRFEDIYNAYQVD
	4	AEGEFZTAZGSAAATD	22	AEGRFEDIYNAYQVD
1b-2	5	AEGEFYQNLADPLD	23	AEGRFYGTYRGQDS
	6	AEGEFIZQNLADPLD	24	AEGRFZGTYRGQDS
1b-3	7	AEGEFYDIIILAGNAD	25	AEGRFYGTZRGQDS
	8	AEGEFZDIIILAGNAD	26	AEGRFZGTZRGQDS
	9	AEGEFQYQYGEYTRGD	27	AEGRFYNLIEGVMSD
	10	AEGEFQZYGEYTRGD	28	AEGRFYNLIEGVMSD
	11	AEGEFQYZGEYTRGD	29	AEGRFYNLIEGVMSD
1b-4	12	AEGEFQYQYGEYTRGD	30	AEGRFYNLIEGVMSD
	13	AEGEFQYZGEYTRGD	31	AEGRFYNLIEGVMSD
	14	AEGEFQZYGEYTRGD	32	AEGRFYNLIEGVMSD
	15	AEGEFQZZGEYTRGD	33	AEGRFATYEEYALMD
	16	AEGEFQZZGEYTRGD	34	AEGRFATYEEYALMD
1b-5	17	AEGEFPEYAMLNSD	35	AEGRFATYEEYALMD
	18	AEGEFPEZAMLNSD	36	AEGRFATYEEYALMD
			37	AEGRFYGTFAFKPLD
			38	AEGRFYGTFAFKPLD



(57) Abstract: The invention relates to phosphopeptides inhibiting protein tyrosine phosphatases, and their medical uses.